Ser 1146/MOFFETT/POT.COM. 2 6 JUL 1988

Mr. Tom Berkins
California Regional Mater Quality
Control Board
San Francisco Bay
1111 Jackson Street, Room 5040
Oakland, CA 94507

Subj: RESULTS OF FOURTH QUARTER SAMPLING FROM ACTIVE WELLS AT NAVAL AIR STATION, MOFFETT FIELD, CALIFORNIA

We are conducting a Potential Conduits Investigation on Maval Air Station (MAS), Moffett Field. As part of this investigation, the water quality of active wells was evaluated. Enclosure (1) contains the location map for Active Wells 2401, 10G1, 10Q and 10Q03 at NAS Moffett Field and the laboratory results for the fourth quarter sampling. For Quality Assurance/Quality Control, a field blank, a travel blank, a method (laboratory) blank and a duplicate sample from Well 10Q were also analyzed.

The fourth quarter samples were collected on May 25, 1988 and analyzed on May 27, 1988. The samples were analyzed in accordance with U.S. Environmental Protection Agency methods 8010 (or 501) and 8020 (or 502) for purgeable halocarbons and purgeable aromatics, respectively.

Should you have any questions regarding this matter, the point of contact is Commander, Western Division, Maval Facilities Engineering Command (Attn: Ms. Chloe due, Code 114000 or Mr. Richard Seraydarian, Code 1140RS, (405) 877-7502).

Sincerely,

ALEX E. DONG
Head, Environmental Restoration Section
Alex E. Dong
Head, Environmental Restoration Section

Encl:
(1) Lab Results of Fourth Quarterly Sampling from Active Hells

Copy to:
U.S. Environmental Protection Agency (Attn: Mr. Lewis Mitani) - 96/
Department of Health Services (Attn: Mr. Chein Kao) - 962

Blind copy to: Kennedy/Jenks/Chilton (Mr. Peter Mesard) NAS Moffett Field (183D) WRITER: C. Jue/1146CJ/7502

1146CJ, 1146RS TYPIST: B. Palmer/25 July 38/Ser 3652h

0905, Admin. Record FILE: MOFFETT/POT.CON.

416

Kennedy/Jenks/Chilton

Consulting Engineers

657 Howard Street San Francisco, California 94105 415-362-6065

23 June 1988

Ms. Chloe Jue
Western Division Naval Facilities
Engineering Command (Code 1142)
P.O. Box 727
San Bruno, CA 94066

Subject: Results of Fourth and Final Quarterly Round of Active Wells Sampling

Potential Conduits Investigation, NAS Moffett Field

(K/J/C 866078.13-G-91)

Dear Ms. Jue:

In accordance with Modification 02 to Delivery Order 003 under our Agreement dated 17 June 1986, we are informing you of results of the fourth of four quarterly (3 month) sampling rounds conducted on Active Wells 10G01, 10Q, 10Q03, and 24D1 at the Naval Air Station, Moffett Field (Location Map attached). A field blank, a travel blank, and a method (laboratory) blank were also analyzed. In addition, a duplicate sample from Well 10Q was also analyzed.

Sampling was conducted 25 May 1988. Analyses were performed on 26 May 1988. Analyses were conducted in accordance with EPA Methods 8010 (or 601) and 8020 (or 602) for purgeable halocarbons and purgeable aromatics, respectively. Copies of the laboratory report sheets are attached.

Analytical results obtained by our NACIP contract laboratory of a water sample collected during the previous sampling round from Well 10Q, indicated levels of toluene below our laboratory's normal detection limits. Therefore, at your request, we collected larger sample volumes and purged five times the normal sample volume in an effort to obtain lower detection limits. The attached analysis report sheets indicate that we obtained detection limits for all compounds of interest of 0.2 ug/L.

In a telephone conversation with you on 19 May 1988, you advised us that you did not want sample duplicates sent to our NACIP Contract laboratory for verification of our analytical results.

We have sent you the Quality Assurance Progress Report, dated 15 June 1988, for this round of sampling concerning the field and laboratory QA and QC procedures. In addition, we sent a copy to Ms. Mitzi Miller at Martin Marietta, the Navy's NEESA contract representative.

Ms. Chloe Jue Western Division Naval Facilities Engineering Command (Code 1142) 23 June 1988 Page 2

Results from this round of sampling indicate that toluene, which was detected at a concentration of 0.36 ug/L from Well 10Q during the previous sampling round, was not detected above the analytical detection limits of 0.2 ug/L in any of the wells. However, benzene was detected in a sample from Well 10G01 at a concentration of 0.39 ug/L.

The California State Department of Health Services has recommended (January 1987) a drinking water action level of 0.70 ug/L for benzene. This is approximately 1.8 times the level detected in the sample from Well 10G01. The U.S. Environmental Protection Agency has established a Maximum Contaminant Level (MCL) of benzene in drinking water of 5.0 ug/L, which is approximately 13 times the level detected in Well 10G01.

As described in our 15 June 1988 QA Progress Report, methylene chloride was detected in samples from Wells 10Q03 (0.32 ug/L) and 10Q (0.20 ug/L), and in the field blank (0.36 ug/L). However, since the field blank consisted of Milli-Q Type II reagent water, we regarded the occurrence of methylene chloride to be a field or laboratory artifact. The fact that the field duplicate of sample 10Q did not contain methylene chloride at levels above detection limits supports this conclusion.

If you have any questions regarding the results or our intrepretation of the results, please call me.

Very truly yours,

KENNEDY/JENKS/CHILTON, INC.

Peter M. Mesard Project Geologist

PMM/mbISG910

Attachments: Table 1: Identification of Field Samples

Location Map

18 K/J/C Laboratory Division Report Sheets

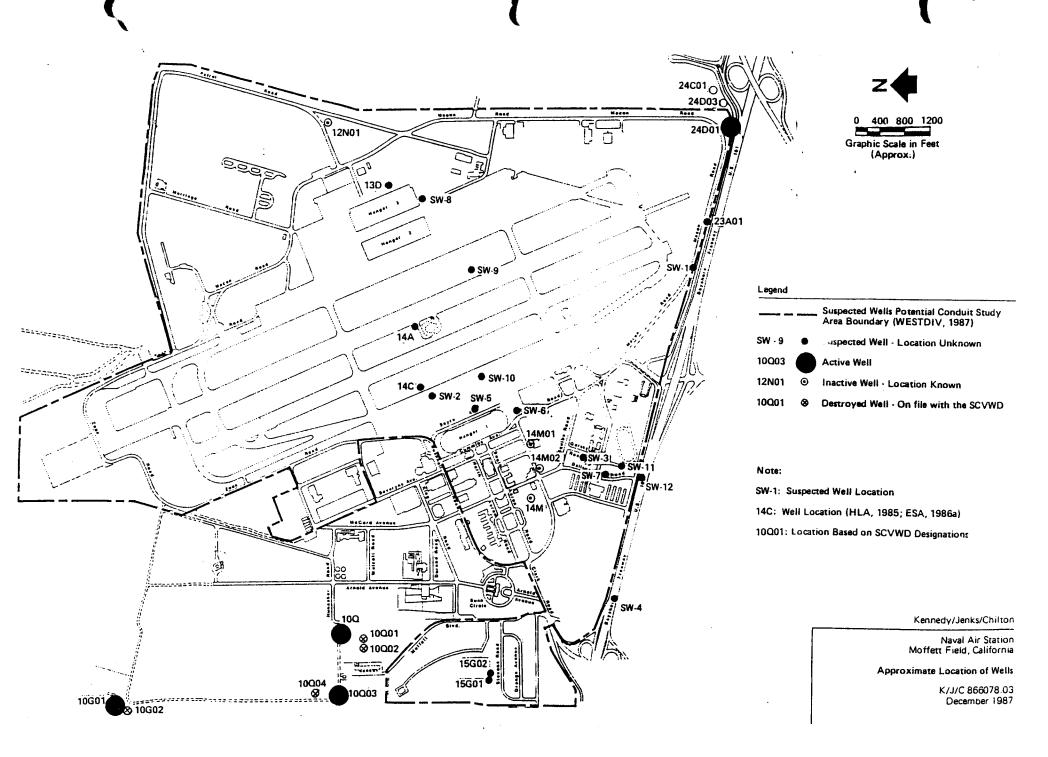
Attachment to Kennedy/Jenks/Chilton's letter to Western Division Naval Facilities Engineering Command dated 23 June 1988

TABLE 1

IDENTIFICATION OF FIELD SAMPLES ACTIVE WELL SAMPLING, POTENTIAL CONDUITS STUDY NAS MOFFETT FIELD, CALIFORNIA (K/J/C 866078.03)

Field Sample I.D. Number	Sampled Well Name
Sample No. 1	24D1
Sample No. 2	10G01
Sample No. 3	10003
Sample No. 4	100
Sample No. 5	Blind Field Blank Collected Near Well 10Q
Sample No. 6	Field Duplicate of Sample Collected From Well 10Q (Sample No. 4)

ISG910 K/J/C 866078



Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

Address:

657 Howard Street

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No .:

M8008

Source:

Sample I.D.: #1

Moffett NAS >

Mountain View, CA Date Collected:

5/25/88

Date Analyzed: 5/26/88

Time Collected:

1010

Collected by:

K/J/C

Analysis	Units	k	Analytical Resul	ts Det. Limit	
PURGEABLES					
Bromomethane***	ug/L	<0.2		0.2	
Chloromethane***	ug/L	<0.2		0.2	
Chloroethane***	ug/L	<0.2		0.2	
Carbon Tetrachloride`	ug/L	<0.2		0.2	
1,2-Dichloroethane	ug/L	<0.2		0.2	
1,1,1-Trichloroethane	ug/L	<0.2		0.2	
1,1-Dichloroethane	ug/L	<0.2		0.2	
1,1,2,-Trichloroethane	ug/L	<0.2		0.2	
1,1,2,2-Tetrachloroethane	ug/L	<0.2		0.2	
2-Chloroethylvinyl ether**	ug/L	<0.2		0.2	
Chloroform	ug/L	<0.2		0.2	
1,1-Dichloroethene	ug/L	<0.2		0.2	
1,2-dichloroethene	ug/L	<0.2		0.2	
1,2-Dichloropropane	ug/L	<0.2		0.2	
Trans-1,3-dichloropropene	ug/L	<0.2		0.2	
cis-1,3-Dichloropropene	ug/L	<0.2		0.2	
Methylene Chloride	ug/L	<0.2		0.2	
Bromoform	ug/L	<0.2		0.2	
Bromodichloromethane	ug/L	<0.2		0.2	
Fluorotrichloromethane	ug/L	<0.2		0.2	
Chlorodibromomethane	ug/L	<0.2		0.2	
Tetrachloroethene	ug/L	<0.2		0.2	
Trichloroethene	ug/L	<0.2		0.2	
1,1,2-Trichloro-					
1,2,2-trifluoroethane	ug/L	<0.2		0.2	
Vinyl chloride	ug/L	<0.2		0.2	
Chlorobenzene	ug/L	<0.2		0.2	

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons. * Micrograms per liter.

** Unstable compound. *** Semi-quantitative.

Analyst cc: Mike Evans, K/J/C

This report applies only to the sample investigated and ... to necessarily indicative of the quality of apparently identical or similar samples. The liability of the laboratory is limited to the amount paid for the report by the issuee. The issuee assumes all liability for the further distribution of this report or its contents and by making such distribution agrees to hold the laboratory harmless against all claims of persons so informed of the contents

hereof.

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Address:

Attention: Peter M. Mesard 657 Howard Street

San Francisco, CA 94105

Quality Control Page (K/J/C 866078.03)

Lab. No.:

8008M

Source:

Sample I.D.: #1

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/26/88

Time Collected:

1010

Collected by:

K/J/C

Analysis	Units'	ŀ	Replicate	Analytical	Results		Det. Limit
PURGEABLES							
Bromomethane***	ug/L	<0.2	<0.2	2			0.2
Chloromethane***	ug/L	<0.2	<0.2	2			0.2
Chloroethane***	ug/L	<0.2	<0.	2			0.2
Carbon Tetrachloride`	ug/L	<0.2	<0.2	2			0.2
1,2-Dichloroethane	ug/L	<0.2	<0.2	2			0.2
1,1,1-Trichloroethane	ug/L	<0.2	<0.2	2 Spike	recovery	101%	0.2
1,1-Dichloroethane	ug/L	<0.2	<0.7	<u>·</u>	•		0.2
1,1,2,-Trichloroethane	ug/L	<0.2		2			0.2
1,1,2,2-Tetrachloroethane	ug/L	<0.2		2			0.2
2-Chloroethylvinyl ether**	ug/L	<0.2					0.2
Chloroform Chloroform	ug/L	<0.2					0.2
1,1-Dichloroethene	ug/L	<0.2					0.2
1,2-dichloroethene	ug/L	<0.2					0.2
1,2-Dichloropropane	ug/L	<0.2					0.2
Trans-1,3-dichloropropene	ug/L	<0.2					0.2
cis-1,3-Dichloropropene	ug/L	<0.2					0.2
Methylene Chloride	ud/L	<0.2					0.2
Bromoform	ug/L	<0.2					0.2
Bromodichloromethane	ug/L	<0.2					0.2
Fluorotrichloromethane	ug/L	<0.2					0.2
Chlorodibromomethane	ug/L	<0.2					0.2
Tetrachloroethene	ug/L	<0.2			recovery	100%	0.2
Trichloroethene	ug/L	<0.2			recovery		0.2
1,1,2-Trichloro-	. J.				3	•	
1,2,2-trifluoroethane	ug/L	<0.2	2 <0.	2 Spike	recovery	97%	0.2
Vinyl chloride	ug/L	<0.2		•		•	0.2
Chlorobenzene	ug/L	<0.2					0.2

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons. * Micrograms per liter.

** Unstable compound. *** Semi-quantitative.

Analyst cc: Mike Evans, K/J/C

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

Address:

657 Howard Street

San Francisco, CA

94105

(K/J/C 866078.03)

Lab. No.:

M8009

Source:

Sample I.D.: #2

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/26/88

Time Collected:

1050

Collected by:

K/J/C

Analysis	Units*	Analytical Resul	ts Det. Limit
PURGEABLES			
Bromomethane***	ug/L <0.2		0.2
Chloromethane***	ug/L <0.2		0.2
Chloroethane***	ug/L <0.2		0.2
Carbon Tetrachloride	ug/L <0.2		0.2
1,2-Dichloroethane	ug/L <0.2		0.2
1,1,1-Trichloroethane	ug/L <0.2		0.2
1,1-Dichloroethane	ug/L <0.2		0.2
1,1,2,-Trichloroethane	ug/L <0.2		0.2
1,1,2,2-Tetrachloroethane	ug/L <0.2		0.2
2-Chloroethylvinyl ether**			0.2
Chloroform .	ug/L <0.2		0.2
1,1-Dichloroethene	ug/L <0.2		0.2
1,2-dichloroethene	ug/L <0.2		0.2
1,2-Dichloropropane	ug/L <0.2		0.2
Trans-1,3-dichloropropene	ug/L <0.2		0.2
cis-1,3-Dichloropropene	ug/L <0.2		0.2
Methylene Chloride	ug/L <0.2		0.2
Bromoform	ug/L <0.2		0.2
Bromodichloromethane	ug/L <0.2		0.2
Fluorotrichloromethane	ug/L <0.2		0.2
Chlorodibromomethane	ug/L <0.2		0.2
Tetrachloroethene	ug/L <0.2		0.2
Trichloroethene	ug/L < 0.2		0.2
1,1,2-Trichloro-			
1,2,2-trifluoroethane	ug/L <0.2		0.2
Vinyl chloride	ug/L <0.2		0.2
Chlorobenzene	ug/L <0.2	Pungaahla Halagarhans	* Micrograms por liter

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons. * Micrograms per liter.

** Unstable compound. *** Semi-quantitative.

cc: Mike Evans, K/J/C

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard 657 Howard Street

Address:

San Francisco, CA 94105 (K/J/C 866078.03)

Lab. No .:

M8010

Source:

Sample I.D.: #3

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed:

5/26/88

Time Collected:

1115

Collected by:

K/J/C

Analysis	Units	*	Analytical	Results	Det. Limit
PURGEABLES					
Bromomethane***	ug/L	<0.2			0.2
Chloromethane***	ug/L	<0.2			0.2
Chloroethane***	ug/L	<0.2			0.2
Carbon Tetrachloride	ug/L	<0.2			0.2
1,2-Dichloroethane	ug/L	<0.2			0.2
1,1,1-Trichloroethane	ug/L	<0.2			0.2
1,1-Dichloroethane	ug/L	<0.2			0.2
1,1,2,-Trichloroethane	ug/L	<0.2			0.2
1,1,2,2-Tetrachloroethane	ug/L	<0.2			0.2
2-Chloroethylvinyl ether**		<0.2			0.2
Chloroform	ug/L	<0.2			0.2
1,1-Dichloroethene	ug/L	<0.2			0.2
1,2-dichloroethene	ug/L	<0.2			0.2
1,2-Dichloropropane	ug/L	<0.2			0.2
Trans-1,3-dichloropropene	ug/L	<0.2			0.2
cis-1,3-Dichloropropene	ug/L	<0.2			0.2
Methylene Chloride	ug/L	0.32			0.2
Bromoform	ug/L	<0.2			0.2
Bromodichloromethane	ug/L	<0.2			0.2
Fluorotrichloromethane	ug/L	<0.2			0.2
Chlorodibromomethane	ug/L	<0.2			0.2
Tetrachloroethene	ug/L	<0.2			0.2
Trichloroethene	ug/L	<0.2			0.2
1,1,2-Trichloro-	J.				
1,2,2-trifluoroethane	ug/L	<0.2			0.2
Vinyl chloride	ug/L	<0.2			0.2
Chlorobenzene	ug/L	<0.2			0.2

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons. * Micrograms per liter.

** Unstable compound. *** Semi-quantitative.

Analyst cc: Mike Evans, K/J/C

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard 657 Howard Street

Address:

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

M8011

Source:

Sample I.D.: #4

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

5/26/88 Date Analyzed:

Time Collected:

1145

Collected by:

K/J/C

Analysis	Units*	Analytical Res	ults Det. Limit	
PURGEABLES				
Bromomethane***	ug/L <0.	2	0.2	
Chloromethane***	ug/L <0.		0.2	
Chloroethane***	ug/L <0.	2	0.2	
Carbon Tetrachloride	ug/L <0.		0.2	
1,2-Dichloroethane	ug/L <0.	2	0.2	
1,1,1-Trichloroethane	ug/L <0.	2	0.2	
1,1-Dichloroethane	ug/L <0.		0.2	
1,1,2,-Trichloroethane	ug/L <0.		0.2	
1,1,2,2-Tetrachloroethane	ug/L <0.		0.2	
2-Chloroethylvinyl ether**	• .		0.2	
Chloroform	ug/L <0.	2	0.2	
1,1-Dichloroethene	ug/L <0.		0.2	
1,2-dichloroethene	ug/L <0.	2	0.2	
1,2-Dichloropropane	ug/L <0.		0.2	
Trans-1,3-dichloropropene	ug/L <0.		0.2	
cis-1,3-Dichloropropene	ug/L <0.		• 0.2	
Methylene Chloride	ug/L 0.2	20	0.2	
Bromotorm	ug/L <0.	.2	0.2	
Bromodichloromethane	ug/L <0.	.2	0.2	
Fluorotrichloromethane	ug/L <0.	.2	0.2	
Chlorodibromomethane	ug/L <0.		0.2	
Tetrachloroethene	ug/L <0.	.2	0.2	
Trichloroethene	ug/L <0.	.2	0.2	
1,1,2-Trichloro-	_			
1,2,2-trifluoroethane	ug/L <0.	.2	0.2	
Vinyl chloride	ug/L <0.		0.2	
Chlorobenzene	ug/L < 0.	.2	0.2	
Comments: Analysis by EPA	Method 80	010. Purgeable Halocarbons	 * Micrograms per liter 	r .

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons.

** Unstable compound. *** Semi-quantitative.

Analyst cc: Mike Evans,

Water Analysis Report

Kennedy/Jenks/Chilton For:

Address:

Attention: Peter M. Mesard

657 Howard Street

San Francisco, CA 94105

(K/J/C 866078.03)

M8012 Lab. No .:

Source:

Sample I.D.: #5

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/26/88

Time Collected:

1155

Collected by:

K/J/C

Analysis	Units	k	Analytical Result	ts Det. Limit
PURGEABLES				
Bromomethane***	ug/L	<0.2		0.2
Chloromethane***	ug/L	<0.2		0.2
Chloroethane***	ug/L	<0.2		0.2
Carbon Tetrachloride	ug/L	<0.2		0.2
1,2-Dichloroethane	ug/L	<0.2		0.2
1,1,1-Trichloroethane	ug/L	<0.2		0.2
1,1-Dichloroethane	ug/L	<0.2		0.2
1,1,2,-Trichloroethane	ug/L	<0.2		0.2
1,1,2,2-Tetrachloroethane	ug/L	<0.2		0.2
2-Chloroethylvinyl ether**	ug/L	<0.2		0.2
Chloroform	ug/L	<0.2		0.2
1,1-Dichloroethene	ug/L	<0.2		0.2
1,2-dichloroethene	ug/L	<0.2		0.2
1,2-Dichloropropane	ug/L	<0.2		0.2
Trans-1,3-dichloropropene	ug/L	<0.2		0.2
cis-1,3-Dichloropropene	ug/L	<0.2		0.2
Methylene Chloride	ug/L	0.36		0.2
3romo form	ug/L	<0.2		0.2
Bromodichloromethane	ug/L	<0.2		0.2
Fluorotrichloromethane	ug/L	<0.2		0.2
Chlorodibromomethane	ug/L	<0.2		0.2
Tetrachloroethene	ug/L	<0.2		0.2
Trichloroethene	ug/L	<0.2		0.2
1,1,2-Trichloro-	- J, -			
1,2,2-trifluoroethane	ug/L	<0.2		0.2
Vinyl chloride	ug/L	<0.2		0.2
Chlorobenzene	ug/L	<0.2		0.2

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons. * Micrograms per liter.

** Unstable compound. *** Semi-quantitative.

Analyst cc: Mike Evans, K/J/C

This report applies only to the sample investigated and is not necessarily indicative of the quality of apparently identical or similar samples. The liability of the laboratory is limited to the amount paid for the report by the issuee assumes all liability for the further distribution of this report or its contents and by making such distribution agrees to hold the laboratory harmless against all claims of persons so informed of the contents

hereof.

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

Address:

657 Howard Street

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

M8013

Source:

Sample I.D.: #6

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/26/88

Time Collected:

1150

Collected by:

K/J/C

Analysis	Units*	Analytical Resul	ts Det. Limit
PURGEABLES			
Bromomethane***	ug/L <0.2		0.2
Chloromethane***	ug/L <0.2		0.2
Chloroethane***	ug/L <0.2		0.2
Carbon Tetrachloride`	ug/L <0.2		0.2
1,2-Dichloroethane	ug/L <0.2		0.2
1,1,1-Trichloroethane	ug/L <0.2		0.2
1,1-Dichloroethane	ug/L <0.2		0.2
1,1,2,-Trichloroethane	ug/L <0.2		0.2
1,1,2,2-Tetrachloroethane	ug/L <0.2		0.2
2-Chloroethylvinyl ether**	ug/L <0.2		0.2
Chloroform	ug/L <0.2		0.2
1,1-Dichloroethene	ug/L <0.2		0.2
1,2-dichloroethene	ug/L <0.2		0.2
1,2-Dichloropropane	ug/L <0.2		0.2
Trans-1,3-dichloropropene	ug/L <0.2		0.2
cis-1,3-Dichloropropene	ug/L <0.2		0.2
Methylene Chloride	ug/L <0.2		0.2
Bromoform	ug/L <0.2		0.2
Bromodichloromethane	ug/L <0.2		0.2
Fluorotrichloromethane	ug/L <0.2		0.2
Chlorodibromomethane	ug/L <0.2		0.2
Tetrachloroethene	ug/L <0.2		0.2
Trichloroethene	ug/L <0.2		0.2
1,1,2-Trichloro-			
1,2,2-trifluoroethane	ug/L <0.2		0.2
Vinyl chloride	ug/L <0.2		0.2
Chlorobenzene	ug/L <0.2	Purgoshla Halagarhans	* Micrograms per lites

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons. * Micrograms per liter.

** Unstable compound. *** Semi-quantitative.

Analyst cc: Mike Evans, K/J/C

Manager

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

Address:

657 Howard Street

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

M8014

Source:

Sample I.D.: Travel Blank

Moffett NAS

Mountain View, CA

Date Collected:

5/24/88

Date Analyzed: 5/26/88

Time Collected:

Collected by:

K/J/C

Analysis	Units*		Analytical	Results	Det. Limit
PURGEABLES					
Bromomethane***	ug/L <0	.2			0.2
Chloromethane***	J.	0.2			0.2
Chloroethane***		0.2			0.2
Carbon Tetrachloride		1.2			0.2
1,2-Dichloroethane		.2			0.2
1,1,1-Trichloroethane		.2			0.2
1,1-Dichloroethane	•	.2			0.2
1,1,2,-Trichloroethane		2			0.2
1,1,2,2-Tetrachloroethane		2			0.2
2-Chloroethylvinyl ether**		.2			0.2
Chloroform	J .	0.2			0.2
1,1-Dichloroethene		.2			0.2
1,2-dichloroethene		.2			0.2
1,2-Dichloropropane		.2			0.2
Trans-1,3-dichloropropene	•) . 2			0.2
cis-1,3-Dichloropropene		.2			0.2
Methylene Chloride).2			0.2
dromoform		0.2			0.2
Bromodichloromethane		.2			0.2
Fluorotrichloromethane		.2			0.2
Chlorodibromomethane		0.2			0.2
Tetrachloroethene).2			0.2
Trichloroethene		0.2			0.2
1,1,2-Trichloro-	J.				
1,2,2-trifluoroethane	ug/L <0	0.2			0.2
Vinyl chloride		0.2			0.2
Chlorobenzene		2.0			0.2
Comments: Analysis by FDA	Mothod 9	2010 Purgoat	Ja Halacari	one *	Micrograms por liter

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons. * Micrograms per liter.

** Unstable compound. *** Semi-quantitative.

Analyst

cc: Mike Evans, K/J/C

Kennedy/Jenks/Chilton, Laboratory Division 657 Howard Street San Francisco, CA 94105 415-362-6065

Received Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

657 Howard Street Address:

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

Method Blank

Source:

Sample I.D.: Reagent Water

Moffett NAS

Mountain View, CA

Date Collected:

Date Analyzed: 5/26/88

Time Collected:

Collected by:

K/J/C

Analysis	Units	*	Analytical Results	Det. Limit
PURGEABLES				
Bromomethane***	ug/L	<0.2		0.2
Chloromethane***	ug/L	<0.2		0.2
Chloroethane***	ug/L	<0.2		0.2
Carbon Tetrachloride	ug/L	<0.2		0.2
1,2-Dichloroethane	ug/L	<0.2		0.2
1,1,1-Trichloroethane	ug/L	<0.2		0.2
1,1-Dichloroethane	ug/L	<0.2		0.2
1,1,2,-Trichloroethane	ug/L	<0.2		0.2
1,1,2,2-Tetrachloroethane	ug/L	<0.2		0.2
2-Chloroethylvinyl ether**		<0.2		0.2
Chloroform	ug/L	<0.2		0.2
1,1-Dichloroethene	ug/L	<0.2		0.2
1,2-dichloroethene	ug/L	<0.2		0.2
1,2-Dichloropropane	ug/L	<0.2		0.2
Trans-1,3-dichloropropene	ug/L	<0.2		0.2
cis-1,3-Dichloropropene	ug/L	<0.2		0.2
Methylene Chloride	uq/L	<0.2		0.2
Bromoform	ug/L	<0.2		0.2
Bromodichloromethane	ug/L	<0.2		0.2
Fluorotrichloromethane	ug/L	<0.2		0.2
Chlorodibromomethane	ug/L	<0.2		0.2
Tetrachloroethene	ug/L	<0.2		0.2
Trichloroethene	ug/L	<0.2		0.2
1,1,2-Trichloro-				
1,2,2-trifluoroethane	ug/L	<0.2		0.2
Vinyl chloride	ug/L	<0.2		0.2
Chlorobenzene	ug/L	<0.2		0.2

Comments: Analysis by EPA Method 8010, Purgeable Halocarbons. * Micrograms per liter.

** Unstable compound. *** Semi-quantitative.

Analyst cc: Mike Evans, K/J/C

657 Howard Street

San Francisco, CA 94105

415-362-6065

Received 5/25/88 Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard 657 Howard Street

Address:

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

8008M

Source:

Sample I.D.: #1

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

5/27/88 Date Analyzed:

Time Collected:

1010

Collected by:

K/J/C personnel

Analysis	Units*	Analytical Results	Det. Limit
PURGEABLES			
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L <0.2		0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

BP, ME

cc: Mike Evans, K/J/C

657 Howard Street

San Francisco, CA 94105

415-362-6065

Received 5/25/88 Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

Address:

657 Howard Street

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

M8009

Source:

Sample I.D.: #2

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/27/88

Time Collected:

1050

Collected by:

K/J/C personnel

Analysis	Units*	Analytical Results	Det. Limit
PURGEABLES			
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L 0.39 ug/L <0.2		0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

BP, ME

cc: Mike Evans, K/J/C

Kennedy/Jenks/Chilton, La. ratory Division 657 Howard Street San Francisco, CA 94105

Received 5/25/88 Reported 6/2/88

415-362-6065

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard 657 Howard Street

Address:

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

M8010

Source:

Sample I.D.: #3

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/27/88

Time Collected:

1115

Collected by:

K/J/C personnel

Analysis	Units*	Analytical Results	Det. Limit
PURGEABLES			
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L <0.2		0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

cc: Mike Evans, K/J/C

657 Howard Street

San Francisco, CA 94105

415-362-6065

Received 5/25/88 Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard 657 Howard Street

Address:

San Francisco, CA 94105

Quality Control Page (K/J/C 866078.03)

Lab. No.:

M8010

Source:

Sample I.D.: #3

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/27/88

Time Collected:

1115

Collected by:

K/J/C personnel

Analysis	Units* R	eplicate Analytical Results	Det. Limit
PURGEABLES			
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L <0.2	<pre><0.2</pre>	0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

cc: Mike Evans, K/J/C

Manager

657 Howard Street

San Francisco, CA 94105

415-362-6065

Received 5/25/88 Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard 657 Howard Street

Address:

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

M8011

Source:

Sample I.D.: #4

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/27/88

Time Collected:

1145

Collected by:

K/J/C personnel

Analysis	Units*	Analytical Results	Det. Limit
PURGEABLES			÷
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L <0.2		0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

cc: Mike Evans, K/J/C

657 Howard Street

San Francisco, CA 94105

415-362-6065

Received 5/25/88 Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

Address:

657 Howard Street

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

M8012

Source:

Sample I.D.: #5

Moffett NAS

Mountain View, CA

Date Collected:

5/25/88

Date Analyzed: 5/27/88

Time Collected:

1155

Collected by:

K/J/C personnel

Analysis	Units*	Analytical Results	Det. Limit
PURGEABLES			
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L <0.2		0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

hereof.

cc: Mike Evans, K/J/C

657 Howard Street

San Francisco, CA 94105

415-362-6065

Received 5/25/88 Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

Address:

657 Howard Street

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

M8013

Source:

Sample I.D.: #6

Moffett NAS

Mountain View, CA Date Collected:

5/25/88

Date Analyzed: 5/27/88

Time Collected:

1150

Collected by:

K/J/C personnel

Analysis	Units*	Analytical Results	Det. Limit
PURGEABLES			
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L <0.2		0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

cc: Mike Evans, K/J/C

657 Howard Street

San Francisco, CA 94105

415-362-6065

Received 5/25/88 Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard

Address:

657 Howard Street

San Francisco, CA

94105

(K/J/C 866078.03)

Lab. No.:

M8014

Source:

Sample I.D.: Travel Blank

Moffett NAS

Mountain View, CA

Date Collected:

5/24/88

Date Analyzed: 5/27/88

Time Collected:

Collected by:

K/J/C personnel

Analysis	Units*	Analytical Results	Det. Limit
PURGEABLES			
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L <0.2		0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

cc: Mike Evans, K/J/C

657 Howard Street San Francisco, CA 94105

415-362-6065

Received Reported 6/2/88

Water Analysis Report

For:

Kennedy/Jenks/Chilton

Attention: Peter M. Mesard 657 Howard Street

Address:

San Francisco, CA 94105

(K/J/C 866078.03)

Lab. No.:

Method Blank

Source:

Sample I.D.: Reagent Water

Date Collected:

Date Analyzed: 5/27/88

Time Collected:

Collected by:

K/J/C personnel

Analysis	Units*	Analytical Results	Det. Limit
PURGEABLES			
Benzene Chlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Toluene o-xylene m-xylene p-xylene	ug/L <0.2		0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

Comments: Analysis by EPA Method 8020, Purgeable Aromatics. * Micrograms per liter.

Analyst

cc: Mike Evans, K/J/C